

# Brown and Caldwell BORING LOG

Proje	ect Na	me: _Yer	ington Second Step Hydrogeolog	ic Framework Assessment				1	Pro	ject Number:	132025					
Soil E	Boring:	: M	Ionitoring Well: X Piezomet	er: Boring/Well	Νυ	mbe	r: _B	3/W-2	23		Sheet <u>1</u> of <u>17</u>					
Borin	ıg Loc	ation: Dire	ectly North of Weed Heights.				thing				Easting:					
Drilli	ng Co	ntractor:	Boart Longyear	Driller: R. Salois		Gro	ound S	Surfa	ce	ation: feet ar Elevation: fe	eet amsl					
Drilli	ng Eq	uipment: (	GP24-300RS	Borehole Diameter:6-inches	,	Dat	e Star	ted:	7/2	5/07	Date Finished: 8/8/07					
Drilli	ng Me	ethod: Son	iic	Drilling Fluid: Water		Completed Water Depth: 314 fbgs Depth: fbmp										
Samp	Sampling Method: Core Barrel									WELL CONSTRUCTION						
Well	Seal:	Bentonite	and Cement			Typ of V	e and Vell C	Diar asing	net 2:	er 2-inch Sch	nedule 80 PVC					
Logg	ed By:	P. Spille	rs, R. Banda, and C. Strauss							nch Filter Ma	aterial: #10-20 Silica Sand					
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Depth (ft)	Elevation (ft)	USCS Group Symbol	Material D	escription	Sample Name	Sample Location	Lithology	Well	Construction		Remarks					
5-		SM SP-GM	Silty Sand with Gravel (0 - Dry, medium dense, no odd fine sand with ~15% gravel t and clay. The sand and grav subangular. The fines have toughness, and have a weak toughness, and fine graine clay. The sand and gravel at The fines have no plasticity a have a weak to strong reaction.	or. Primarily medium to o 90 mm with ~15% silt rel are angular to low plasticity and to strong reaction to HCI.  Silt and Sand (8 - 15) rily gravel to 60 mm with d sand and 5-10% silt and re angular to subangular. and low toughness, and						Method D-248 grain-size det based on the System.  Horizontal Sur Nevada State zone, in feet.  Sharp contact gradational contact gradational contact gradational contact gradational contact gradational contact and the state of t	ntonite Grout: 0 - 291 feet ips: 291 - 297 feet Sand: 297 - 299 feet Sand Filter Pack: 299 - 313 feet al Schedule 80 PVC 0.010 in: 302 - 312 feet se: 313 - 314 feet intonite Fill: NA feet					

			onitoring Well: X Piezometer: Boring/Well	Nur	— nho	<b>r</b> . B		Sheet _2_ of _17_					
3011 1	Soil Boring: Monitoring Well: Monitoring												
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks					
-		SM GP-GM	Silty Sand (15 - 16) Dry, medium dense, no odor. Primarily medium to fine sand with ~10% gravel to 30 mm and ~15% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and										
-			toughness, and have a weak reaction to HCI.  Poorly Graded Gravel with Silt and Sand (16 - 18)  Dry, dense, no odor. Primarily gravel to 40 mm with ~30% medium to fine grained sand and ~10% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react										
20-		SC	to HCI.  Clayey Sand with Gravel (18 - 29)  Dry, dense, no odor. Primarily medium to fine sand with ~15% gravel to 40 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and have no reaction to a weak reaction to HCI.										
-													
25 <del>-</del>													
-			Cilly Cond (20 20)										
30-		SM	Silty Sand (29 - 38)  Dry, dense, no odor. Primarily medium to fine sand with ~10% gravel to 20 mm and ~15% silt and clay. The sand and gravel are angular to subangular. The fines are nonplastic, and do not react to HCI.										

Proj	ect Na	me: <u>Yer</u>	ington Second Step Hydrogeologic Framework Assessment		_		Pr	oject Number: 132025
Soil 1	Boring	:: M	Ionitoring Well: X Piezometer: Boring/We	ll Nui	nbe	r: <u>B</u>	/W-23	Sheet <u>3</u> of <u>17</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks
35-								
40-		SC	Clayey Sand (38 - 41)  Dry, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 20 mm and ~25% silt and clay. The sand and gravel are angular to subangular. The fines have low to medium plasticity with low toughness, and have a strong reaction to HCI.					
-		SM	Silty Sand (41 - 44) Dry, dense, no odor. Primarily medium to fine sand with ~10% gravel to 30 mm and ~15% silt and clay. The sand and gravel are angular to subangular. The fines are nonplastic, and have no reaction to strong reaction to HCI.					
45-		SW-SM	Well-Graded Sand with Silt and Gravel (44 - 50) Dry to slightly moist, dense, no odor. Primarily coarse to fine sand with ~20% gravel to 70 mm and ~20% silt and clay. The sand and gravel are angular to subangular. The fines have low plasticity and toughness, and have a weak to strong reaction to HCl.					
50-		SM	Silty Sand with Gravel (50 - 52)  Dry to slightly moist, dense, no odor. Primarily medium to fine sand with ~20% gravel to 70 mm and ~15% silt and clay. The sand and gravel are angular to subangular. The fines are nonplastic to low plasticity and toughness, and have a weak to strong reaction to HCI.					
		sc	Clayey Sand with Gravel (52 - 58)  Dry, dense, no odor. Primarily medium to fine sand					

	Soil Boring: Monitoring Well: A Piezometer: Boring/Well Number: B/W-23 Sheet 4 of 17										
5011	воппд	[ IVI	tomoring wen.   Trezometer.   Boring/we	ıı Nur	nbe	r: <u> </u>	VV-23	Sneet — OI			
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks			
55-			The sand and gravel are angular to subangular. The fines have low to medium plasticity with low toughness, and have a weak to strong reaction to HCl.								
- 60 –		SC	Clayey Sand (58 - 61)  Dry, loose to dense, no odor. Primarily medium to fine sand with ~5% gravel to 10 mm and ~15% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and have a weak reaction to HCI.								
- - -		SC	Clayey Sand (61 - 69) Dry, loose to dense, no odor. Primarily medium to fine sand with ~10% gravel to 25 mm and ~25% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and have a weak reaction to HCI.								
65 -											
70-		SC	Clayey Sand with Gravel (69 - 75)  Dry, dense, no odor. Primarily medium to fine sand with ~15% gravel to 90 mm and ~25% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCl.Zone has some large gravel or small cobbles.								

Proj	ect Na	me:Yer	ington Second Step Hydrogeologic Framework Assessment		_		Pro	oject Number:132025				
Soil	Soil Boring: Monitoring Well: Monitoring											
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks				
75-		GC	Clayey Gravel with Sand (75 - 92)  Dry, very dense, no odor. Primarily gravel to 100 mm with ~25% medium to fine grained sand and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCI.Six-inch diameter cobble at 85 feet.									
80-												
85-												
90-	_											

	Project Name:									
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Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks		
-		SC	Clayey Sand with Gravel (92 - 94)  Dry, very dense, no odor. Primarily medium to fine sand with ~25% gravel to 40 mm and ~10% silt and clay. The sand and gravel are angular to subangular. The fines have low plasticity and toughness, and do not react to HCI.							
95 <del>-</del>		SC	Clayey Sand with Gravel (94 - 97) Dry, dense, no odor. Primarily medium to fine sand with ~20% gravel and cobbles to 90 mm and ~25% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCl.							
-	-	SC	Clayey Sand with Gravel (97 - 100)  Dry, very dense, no odor. Primarily medium to fine sand with ~30% gravel to 50 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCl.Zone has some small, highly plastic clay lumps.							
	-	GC	Clayey Gravel (100 - 117)  Dry, very dense, no odor. Primarily gravel to 200 mm and some cobbles up to 6-inch diameter. Also, ~10% medium to fine grained sand and ~30% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCI.							
105 — - -										

Proj	ect Na	me: Yer	ngton Second Step Hydrogeologic Framework Assessment		_		Pr	oject Number:132025				
Soil l	Soil Boring: Monitoring Well: X Piezometer: Boring/Well Number: B/W-23 Sheet 7 of 17											
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks				
- - 1115 — -												
-		SC	Clayey Sand with Gravel (117 - 119)  Dry, very dense, no odor. Primarily medium to fine sand with ~15% gravel to 30 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCI.									
120-		GM	Silty Gravel with Sand (119 - 121)  Dry, very dense, no odor. Primarily gravel to 120 mm with some cobbles, ~30% medium to fine grained sand, and ~20% silt and clay. The sand and gravel are angular to subangular. The fines are nonplastic to low plasticity and toughness, and do not react to HCl.									
-		SM	Silty Sand (121 - 125) Dry, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 10 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCI.									
125 <del>-</del>		SC SC	Clayey Sand with Gravel (125 - 126)  Dry, very dense, no odor. Primarily medium to fine sand with ~25% gravel to 30 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and									
-		05 00	toughness, and do not react to HCl.Zone has some highly plastic clay lumps which look tuffaceous.	-								
-		SP-SM SM	Clayey Sand (126 - 127)  Dry, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 30 mm and ~20% silt and clay. The sand and gravel are angular to subangular. The fines have low plasticity and toughness, and do not react to HCl.  Poorly Creded Sand with Silt (127, 138)									

•			onitoring Well: X Piezometer: Boring/Well		<u> </u>	R		oject Number: Sheet8 of17				
Son	Soil Boring: Monitoring Well: A Piezometer: Boring/Well Number: B/W-23 Sheet 8 of 17											
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks				
130-			Dry, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 20 mm and ~10% silt and clay. The sand and gravel are angular to subangular. The fines are nonplastic, and do not react to HCl.  Silty Sand (128 - 131)									
-		SC	Dry, very dense, no odor. Primarily medium to fine sand with ~5% gravel to 10 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCl.									
-			Clayey Sand (131 - 140)  Dry, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 20 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCI.									
135 –	_											
-												
140-		SC	Clayey Sand (140 - 143)  Dry, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 30 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCI.									
- 145 – -		GM	Silty Gravel with Sand (143 - 148)  Dry, very dense, no odor. Primarily gravel to 70 mm with ~25 medium to fine grained sand and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCI.There are some clay lumps and rocks that look tuffaceous.									
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Proj	ect Na	me: <u>Yer</u>	rington Second Step Hydrogeologic Framework Assessment				Proj	ect Number:132025
Soil 1	Boring	;:	Monitoring Well: X Piezometer: Boring/We	ll Nui	nbe	r: <u>B</u>	/W-23	Sheet <u>9</u> of <u>17</u>
Depth (ft)	Elevation (ft)	% USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks
150-		SC	Clayey Sand (148 - 150) Dry, dense, no odor. Primarily medium to fine sand with ~5% gravel to 20 mm and ~30% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCI.					
-		SM	Silty Sand with Gravel (150 - 153) Dry, dense, no odor. Primarily medium to fine sand with ~15% gravel to 25 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI.					
- 155-		SC	Clayey Sand (153 - 156)  Dry, dense, no odor. Primarily medium to fine sand with ~5% gravel to 15 mm and ~30% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCl.					
-		SM	Silty Sand with Gravel (156 - 162) Dry, dense, no odor. Primarily medium to fine sand with ~15% gravel to 20 mm and ~15% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCI.					
160-								
-	-	SM	Silty Sand (162 - 165) Dry, dense, no odor. Primarily medium to fine sand with ~5% gravel to 25 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCl.					
165 <del>-</del>	_	SC	Clayey Sand (165 - 176)  Dry, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 25 mm with ~40% silt and clay. The sand and gravel are subangular to subrounded. The fines have moderate to high plasticity, is very tough, and do not react to HCI.Ends with a gravel zone from 175-176 feet.					

Proj	ect Na	ame: Yer	rington Second Step Hydrogeologic	Framework Assessment		_		Pr	oject Number: <u>13202</u>	25
Soil l	Boring	g: M	fonitoring Well: X Piezometer	: Boring/\	Well Nun	nbei	r: <u>B</u> /	W-23		Sheet <u>10</u> of <u>17</u>
Depth (ff)	Elevation (ft)	USCS Group Symbol	Material Des	scription	Sample Name	Sample Location	Lithology	Well Construction	Remari	ks
- 170 — -										
- 175— -		GC	Clayey Gravel with Sand (170) Dry, dense, no odor. Primarily ~35% medium to fine grained so clay. The sand and gravel are	y gravel to 50 mm with sand and ~25% silt and						
- 180 — -		SM	subrounded. The fines are nor is very tough, and do not react  Silty Sand (181 - 183)  Dry, dense, no odor. Primarily with ~10% gravel to 15 mm and The sand and gravel are suban	plastic to low plasticity, to HCl.  y medium to fine sand d ~20% silt and clay.						
-	-	GM	The fines have low plasticity an react to HCI.  Silty Gravel with Sand (183 - Dry, very dense, no odor. Priv with some rounded cobbles. A	· <b>184)</b> marily gravel to 90 mm						
185-	-	SM	fine grained sand and ~20% sil subangular to rounded and the subangular. The fines have low toughness, and do not react to	t and clay. The gravel is sand is angular to w plasticity and			<del>Q</del>			
_	-	SM	Silty Sand (184 - 185.5)  Dry, dense, no odor. Primarily with ~10% gravel to 30 mm and The gravel is angular to subance.	d ~15% silt and clay.	$ $					

Proje	ect Na	me: Yer	ington Second Step H	Hydrogeologic Framewo	ork Assessment		_		P	roject Number: _	132025		
Soil I	Boring	: M	Ionitoring Well: X	W-23	<u> </u>		Sheet 1	1 of 17					
Depth (ft)	Elevation (ft)	USCS Group Symbol	N	1aterial Descriptio	n	Sample Name	Sample Location	Lithology	Well Construction	ı	Remarks		
				brounded to rounded. lo not react to HCl.	The fines are								
-			with ~10% grave The fines have a gravel are angula	.5 - 188.5) odor. Primarily mediur el to 20 mm and ~45% el powdery silty texture. er to subangular. The fi ghness, and do not rea	silt and sand. The sand and fines have low								
- 190 — -		SC	Clayey Sand wi Dry, dense, no with ~25% grave The sand and gra fines have low to	th Gravel (188.5 - 192 odor. Primarily mediur I to 30 mm and ~15% avel are angular to sub medium plasticity with to HCI.Plasticity decrea	n to fine sand silt and clay. angular. The low toughness,								
-		SM	Dry, dense, no with ~15% grave The sand and gra The fines are no	Gravel (192 - 194.5) odor. Primarily mediur I to 30 mm and ~15%: avel are subangular to nplastic to low plasticity do not react to HCI.	silt and clay. subrounded.								
195 —		SC	Dry, dense, no with ~15% grave The sand and grave	odor. Primarily mediur el to 30 mm and ~40% savel are angular to sub rate to high plasticity, is to HCl.	n to fine sand silt and clay. angular. The								
-		SM	Silty Sand with Dry, dense, no with ~20% grave	Gravel (196 - 197.5) odor. Primarily mediur I to 30 mm and ~15% avel are angular to sub	silt and clay.								
- 200 — - -		SC	do not react to H  Clayey Sand (19  Dry, very dense sand with ~10% clay. The sand a subrounded. The		edium to fine 20% silt and alar to dium plasticity,								
205 —										K			

Proj	roject Name: Yerington Second Step Hydrogeologic Framework Assessment Project Number: 132025										
Soil 1	Boring	:: M	onitoring Well: X Piezometer: Boring/Well	l Nur	nbe	r:B	W-23	Sheet <u>12</u> of <u>17</u>			
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks			
		_									
-		SM	Boulder (206 - 207.5) Dry, very dense, no odor. Primarily fine sand with ~20% gravel. Zone includes a 12-inch cobble/boulder and ~30% fines The fines are very grey and have the same consistancy as the cobble. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCI.	-							
- 210 <i>-</i> -			Silty Sand with Gravel (207.5 - 210) Dry, dense, no odor. Primarily medium to fine sand with ~20% gravel to 60 mm and ~15% silt and clay. The sand and gravel are angular to subangular. The fines have low plasticity and toughness, and do not react to HCI.								
-			Boulders (210 - 214) Dry, very dense, no odor. Large boulder zone fines are gray powder from rock. May be one large boulder or may boulders with diameters > 12-inches.								
- 215-		SC	Clayey Sand with Gravel (214 - 215)  Dry, very dense, no odor. Primarily medium to fine sand with ~15% gravel to 30 mm and ~20% silt and clay. The sand and gravel are angular to subangular.	_							
-			The fines have low plasticity and toughness, and do not react to HCl.  (215 - 217)  Dry, very dense, no odor. Large boulder zone fines are gray powder from rock. May be one large boulder or may boulders with diameters > 12-inches.								
-		SC	Clayey Sand with Gravel (217 - 219.5) Dry, very dense, no odor. Primarily medium to fine sand with ~15% gravel to 35 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCl.								
220 - -		GW-GC	Clayey Gravel with Sand (219.5 - 223.5) Dry, very dense, no odor. Primarily gravel to 6-inches with ~20% medium to fine sand and ~30% silt and clay. The sand and gravel are subangular to subrounded. The fines have low to medium plasticity and toughness, and do not react to HCl.								
-		SC	Clayey Sand (223.5 - 225) Dry, very dense, no odor. Primarily medium to fine	-							

Proj	ect Na	me: _Yer	ington Second Step I	Hydrogeologic Framewor	rk Assessment		_		Pr	oject Number: _	132025			
Soil l	Boring	;:[ M	Ionitoring Well: X	Piezometer:	Boring/We	II Nun	nber	r: <u>B</u>	W-23			Sheet _	<u>13</u> o	f <u>17</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	٨	Naterial Description	l	Sample Name	Sample Location	Lithology	Well		Remarks			
225 — -		SM	subangular to su plasticity and tou Silty Sand with Dry, dense, no with ~15% grave The gravel is and subangular to su low plasticity and	gular to subangular and t ubrounded. The fines have ughness, and do not react Gravel (225 - 228) odor. Primarily medium el to 30 mm and ~15% sil gular to subangular and ubrounded. The fines are d toughness, and do not u	to to HCI.  It of fine sand ilt and clay. the sand is e nonplastic to									
- 230 — -		SC	Clayey Sand wi Dry, dense, no with ~20% grave The gravel is and subangular to su	ith Gravel (228 - 235) odor. Primarily medium el to 30 mm and ~30% si gular to subangular and t ibrounded. The fines hav y and toughness, and do	ilt and clay. the sand is ove low to									
- - 235 — -		GW-GC	Dry, very dense with ~15% media and clay. The sa subangular. The	ravel with Clay and Sai e, no odor. Primarily grav um to fine grained sand and and gravel are angula e fines have low to mediu	vel to 70 mm with ~35% silt lar to									
- - 240—			are very tough, a	and do not react to HCl.										
-				<b>243)</b> e, no odor. Boulder cons th lithic fragments.	sists of silicous									
			Clavey Sand (2)	43 - 244)			,	////	M M					

Proje	ect Na	me: Yeri	ington Second Step Hydrogeologic Framework Asse	essment		_		Pr	roject Number:132025	
Soil I	Boring	;: M	onitoring Well: X Piezometer:	Boring/Well	Nur	nbe	r:B	/W-23	· · · · · · · · · · · · · · · · · · ·	Sheet <u>14</u> of <u>17</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description		Sample Name	Sample Location	Lithology	Well Construction	Remarks	i
245—		SC	Dry, very dense, no odor. Primarily medium to sand with ~5% gravel to 15 mm and ~15% silt and the sand and gravel are angular to subangular fines have low plasticity and toughness, and do react to HCl.  Silty Sand (244 - 246)	and clay. The o not						
_		GC	Dry, very dense, no odor. Primarily medium to sand with ~10% gravel to 10 mm and ~20% silt clay. The gravel is angular to subangular and the is subangular to subrounded. The fines have to plasticity and toughness, and do not react to HO	t and the sand ow						
_		SC	Clayey Gravel with Sand (246 - 247)  Dry, very dense, no odor. Primarily gravel to 3 with ~25% medium to fine grained sand and ~2 and clay. The sand and gravel are angular to subangular. The fines have medium plasticity a toughness, and do not react to HCI.	20% silt						
250—			Clayey Sand with Gravel (247 - 249)  Dry, very dense, no odor. Primarily medium to sand with ~20% gravel to 35 mm and ~25% sill clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCI.	o fine t and						
_			Boulder (249 - 251.5)  Dry, very dense, no odor. Boulder consists of volcanic rock with lithic fragments.	f silicous						
-		SC	Clayey Sand (251.5 - 253)  Dry, very dense, no odor. Primarily medium to sand with ~10% gravel to 20 mm and ~25% sill clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCI.	o fine t and						
-			<b>Boulders (253 - 255)</b> Dry, very dense, no odor. Boulder consists of volcanic rock with lithic fragments.	fsilicous						
255 — - - -		SC	Clayey Sand with Gravel (255 - 256)  Dry, very dense, no odor. Primarily medium to sand with ~25% gravel to 20 mm and ~25% silt clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCl.  Boulders (256 - 263)  Dry, very dense, no odor.Boulder consists of syolcanic rock with lithic fragments.	It and						
260-										
_							3			

Proje	ect Na	me: _Yer	rington Second Step Hydrogeologic Framework Assessment		_	Pr	oject Number: 132025
Soil I	Boring	;: M	Monitoring Well: X Piezometer: Boring/Well	Nun	nbe	r:B/W-23	Sheet <u>15</u> of <u>17</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology Well Construction	Remarks
-		SC	Clayey Sand with Gravel (263 - 264)  Dry, very dense, no odor. Primarily medium to fine sand with ~25% gravel to 20 mm and ~25% silt and clay. The sand and gravel are angular to subangular. The fines have low to medium plasticity with low toughness, and do not react to HCI.				
265-			clay. The sand and gravel are angular to subangular. The fines have low to medium plasticity with low toughness, and do not react to HCl.  (264 - 268)				
270 — - -							
275— - -							
280-							

Project Name: Project Number: Project Number: 16 18										
Soil I 	Boring:	M	Monitoring Well: X Piezometer: Boring/Well N						W-23	Sheet <u>16</u> of <u>17</u>
Depth (ff)	Elevation (ft)	USCS Group Symbol	M	laterial Description		Sample Name	Sample Location	Lithology	Well Construction	Remarks
285										
- 290 — -										
- 295 - - -										
300-										

Proj	ect Na	me: _Yer	ington Second Step	Hydrogeologic Framework	Assessment		_		Pr	oject Number: 132025	
Soil I	Boring	.: M	fonitoring Well: X	Piezometer:	Boring/Well	Nun	nber	: _B/	W-23		Sheet <u>17</u> of <u>17</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	١	Material Description		Sample Name	Sample Location	Lithology	Well	Remarks	
305 —											
310 —			Bottom of Boreł	nole at 314 feet below grour	nd surface.						